



- APS NOTES:**
1. PUSH BUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
  2. THE 10' SEPARATION BETWEEN PUSH BUTTONS IS TO BE MEASURED FROM FACE OF PUSH BUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
  3. PUSH BUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
  4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSH BUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
  5. APS WILL FUNCTION AS FOLLOWS:

**TO CROSS MD 414 AT LIVINGSTON ROAD.**

A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:  
"WAIT TO CROSS OXON HILL AT LIVINGSTON. WAIT."  
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

**TO CROSS LIVINGSTON ROAD AT MD 414.**

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- GEOMETRIC CONSTRUCTION DETAILS:**
- A. INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) (NOTE: ONE 24"x60" DETECTABLE WARNING SURFACE.)
  - B. INSTALL STANDARD TYPE A CURB AND GUTTER (STANDARD NO. MD 620.02).
  - C. BEGIN 12:1 RAMP
  - D. BEGIN 48:1 LEVEL LANDING AREA
  - E. TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT
  - F. TIE NEW CURB TO EXISTING CURB AT JOINT
  - G. REMOVE EXISTING SIDEWALK RAMP AND REPLACE W/ 5 IN. CONCRETE SIDEWALK
  - H. 5' CUT THROUGH WITH 24"x60" DETECTABLE WARNING SURFACE.

LEGEND SYMBOL	GEOMETRIC LEGEND
48" SIGNAL POLE FOUNDATION	EXISTING SIDEWALK/ CURB JOINT
36" SIGNAL POLE FOUNDATION	NEW SIDEWALK AND ADA HANDICAP RAMP
24" PED POLE FOUNDATION	SEED AND MULCH
18" PED POLE FOUNDATION	
PED SIGN AND PUSHBUTTON	
SIGNAL CABINET WPAD	
POWER PEDESTAL	
HANDHOLE	
CONDUIT RUN	

**NOTE:**  
SIDEWALK JOINTS ARE APPROXIMATELY LOCATED.

**BAI** BRUDIS & ASSOCIATES, INC.  
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**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 414 (OXON HILL RD) AT LIVINGSTON RD  
OXON HILL, MD

SCALE 1" = 10'	DATE 07/11/2011	CONTRACT NO. XX655185
DESIGNED BY CW	COUNTY PRINCE GEORGE'S	
DRAWN BY CW	LOGMILE 16041400.95	
CHECKED BY JB	TMS NO. J982	
F.A.P. NO.	TOD NO.	
TS NO. 993H	DRAWING - OF	SHEET NO. 2 OF 3

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BY: chuck